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Result
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Perfect score:
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(without alignments)
12805.463 Million cell updates/sec
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BX462660
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   AL063921 Drosophil
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- Web: www.genoscope.cns.fr)
Determination of this BAC-end sequence was carried out as part of a Determination of this BAC-end sequence was carried out as part of a collaboration with the Berkeley Drosophila Genome Project (BDGP). The BDGP is constructing a physical map of the Drosophila melanogaster genome using these BACs. For further information please see http://www.fruitfly.org The BDGP Drosophila melanogaster BAC library was prepared by Kazutoyo Osoegawa and Aaron Mammoser in Pieter de Jong's laboratory in the Department of
                                                                                                                                                                                                                               CNS0039G

Drosophila melanogaster genome survey sequence TET3 end of BAC #BACR08K10 of RPCI-98 library from Drosophila melanogaster (fruit fly), genomic survey sequence.
                                                                                                                                                     Drosophila melanogaster (fruit fly)
Drosophila melanogaster
Drosophila melanogaster
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                                                                AL063921.1
GSS.
                                                                                             Submitted (02-JUN-1999) Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - FRANCE (E-mail : segref@genoscope.cns.fi
                                                                                                                                Genoscope.
                                                                                                                     Direct Submission
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BX398691
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AL101595 Drosophil
BX414650 BX414650
AL069493 Drosophil
BX398691 BX398691
BM169149 EST571672
AL206746 Tetraodon
BM166229 EST56875
AL147405 Anopheles
AL419462 T3 end of
AL106578 Drosophil
BM166720 EST563243
AL514901 AL514471
BJ446581 BJ446581
AZ683582 ENTKK477R
AL244551 Tetraodon
AL063632 Drosophil
BJ446581 BJ446581
AZ683582 ENTKK477R
AL244551 Tetraodon
AL063630 Drosophil
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                           ATAAATATAATAAAGGATACCAAAATCTTTT 797
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  WWAATTATTTWTTTWTAAAAAAAWWWWWT
                                                                             TGCCAAAACAAGTTCCGGATGATTTTCAGCTAAGTATTTTTGAGTCTGAGGACAAGGGAG
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/db_xref="taxon:7227"
/clone="BACR08K10"
/clone_lib="RPCI-98"
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RESULT

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Eukaryota; Metazoa; Chordaru, Chordarus; Mammalia; Eutheria; Primates; (
1 (bases 1 to 1200)
1 (bases 1, Jessee, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: segref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. Contact: Feng Liang Email: fliang@lifetech.cc
http://fulllength.invitrogen.com/ InVitrogen Corporation Id
Faraday Avenue Genoscope sequence ID: CSOCAP008CA01QP1.
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Genoscope - Centre National de Se
BP 191 91006 EVRY cedex - France
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Unpublished
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                                                                       GAGAAGRAAWTTTTTTTATK-----AGARRGATWTTAWAWWTATRARGARGADTTTTTTA
                                                                                                                   GTAACTCATAATTTAACATTGAGAAAAACGGTGACTGGTTAGCTGGTGACAGAACTAAA 1863
                                                                                                                                                                                                       TGGCATCCAGAAGATTTAGTTGATATTCGTATGGAAGATAAAAAAGAAGTTATACCT 180
                                                                                                                                                                                                                                                                                                                     ACTGACCTTGATTCTTTATTCCGAATAACAATAAATATCAATCTCTTATTGGAACTCAG 1742
                                                                                                                                                                                                                                                                                                                                                                        TTWTTTTTTTTTTTTAWWWATWTATATTTTTWWTWAWAAAAASAGAWKATWTTTTKKTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAARAATWTTWWRAAAAAAAWWTWWWAARGRARGATTTTTTTTAAWWWGGGAGRTAWWTW 536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DTRAADWWWTWAAWAWWWDKRKTTTTTTTTKKRRAAAAATTTTTTTTTTTTTTTWTWAKAAA 476
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                                                                                                                                                                        TWWWRDGARRTAKATAKWWTTWTWWTAWAWAGGAARKRRATWTWTWAAAWAWWAGAAAAR
                                                                                                                                                                                                                                                                       TATWWKRAGGATWTTTTTTTTWTWA--ARGDWKWTWTWTTTTTTTWTTTTTTTWTTGTT
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/clone_lib="Homo sapiens THYMUS"
/clone_lib="Homo sapiens THYMUS"
/note="Vector: pCMVSPORT_6; 1st strand cDNA was primed
with a NotI-oligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned :
the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."

1 30 c 71 g 310 t 274 others
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CSOCAP008YB01"
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sapiens THYMUS
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Score 69.4; DB
Pred. No. 0.028;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BX462660 Homo sapiens T CELLS (J clone CSODH005YJ02 5-PRIME, mRNA BX462660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Li,W.B., Gruber,C., Jessee,J. and Polayes,D. Full-length cDNA libraries and normalization Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; 1 (bases 1 to 1201)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cgi-bin/cluster.cgi?seq=CSODH005DE01QP1&cluster=3370.r. Contact Feng Liang Email : fliang@lifetech.com URL : http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         more information about this cluster, see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: segref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invirogen. This sequence belongs to sequence cluster 3370.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
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  AATTTAACATTGAGAAAAACGGTGACTGGTTTAGCTGGTGACAGAACTAAAGATTTCCAT 1872
                                                                               GRGRRDRKGGGGGRAAARAAAAWATTAAAAATTTAAAAAAAAATWTTTAGAAAWARAAW
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                                                                                                                                                                                                                    /clone_lib="Homo sapiens T CELLS (JURKAT CELL LINE)"
/note="Vector: pCMVSPORT_6; 1st strand cDNA was primed
with a NotI-cligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned i
the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."
97 others
                                                                                                                                                                                                                                                                                                                                                                   /tissue_type="T CELLS (JURKAT CELL LINE)"
/cell_line="JURKAT CELL LINE"
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/mol_type="mRNA"
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                                                                                                                                             2.9%;
38.1%;
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                                                                                                                                             Score 66.8; DB Pred. No. 0.08;
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                                                                                                                                                                                                                                                                                                                                                BP 191 91006 EVRY cedex - France Email: segref@genoscope.cns.fr Email: segref@genoscope.cns.fr Library was constructed by Life Technologies, a division of Invitrogen. Contact : Feng Liang Email : fliang@lifetech.com URL http://fulllength.invitrogen.com/ Invitrogen Corporation 1600 Faraday Avenue Genoscope sequence ID : CSOAJ010BB07QP1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Genoscope
Genoscope - Centre National de Sequencage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1. (bases 1 to 960)
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BX346155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Full-length cDNA libraries and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGCTATAAGGTTAAAGTTAATAGCCAAGAAGTAGCAAATGCTACAGTTTCAAAAACAGGA
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                                        284
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                                /note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR v sites of the pCMVSPORT 6 vector. Library was normalized a 100 c 80 g 366 t 130 others
                                                                                                                                                                             /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="cSoUJ010YC14"
/cell_type="T CELLS (JURKAT CELL LINE) COT 10-NORMALIZED"
/cell_line="JURKAT"
                                                                                                                                           10-NORMALIZED"
                                                                                                                                                          /clone_lib="Homo sapiens T CELLS (JURKAT CELL LINE)
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EST 05-MAY-2003

EcoR V

COT

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BASE COUNT
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AUTHORS
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JOURNAL
  Query Match
Best Local Similarity
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Best Local
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                                                                                                                                                                                                                                               Email: segref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. Contact: Feng Liang Email: fliang@lifetech.com URL
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSODF022BB09QP1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AL536104 Homo sapiens FETAL BRAIN Homo sapiens cDNA clone CS0DF022XC18 5-PRIME, mRNA sequence.
AL536104 Homo sapiens GDNA clone AL536104 RNA Sequence.
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                                                                                                                                                                                                                                                                                                                                                                                 L1,W.B., Gruber,C., Jessee,J. and Polayes,D. Full-length cDNA libraries and normalization
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Mammalia; 1
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BP 191 91006 EVRY cedex - France
                                                                                                                                                                                                                                                                                                                                           Contact: Genoscope
                                                                                                                                                                                                                                                                                                                                                                       Unpublished
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens (human)
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                                                       359
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                                                   /note="Organ: brain; Vector: pCMVSPORT_6; 1st.strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library was not normalized."

119 c 146 g 409 t 168 others
                                                                                                                                              /tissue_type="FETAL BRAIN"
/dev_stage="fetal"
                                                                                                                                                                                    /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
                                                                                                                                  /clone_lib="Homo sapiens FETAL BRAIN"
                                                                                                                                                                         /clone="CSODF022YC18"
                                                                                                                                                                                                                                      Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                        2001 this sequence version replaced
                                                                                                                                                                                                                                                                                                                                                                                                                                    Metazoa; Chordata;
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    2.9%;
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    Score
Pred.
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    65.2;
No. 0.
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                                                                                                                                                                                                                                                                                                                                                                                                                      Catarrhini; Hominidae;
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                                        primer: ADF.
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Matches
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The Institute for Genomic Re
9712 Medical Center Drive, I
Tel: 301-530-9319
Fax: 301-838-0208
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                                                                                                                                                                  Email: carlton@tigr.org
For clone info, please contact the
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cariton, J.M., Daly, T.M., Long, C.A., Bergman, L.W., Fraser, C.M. and Carucci, D.J.
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                                                                                                                                                                                                                                                                                                                                                                        Contact: Jane Carlton
                                                                                                                                                                                                                                                                                                                                                                                                                                Plasmodium yoelii EST project at TIGR
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                                                                                                                                          Reagent Resource Center,
                                                                                                          http://www.malaria.mr4.org/mr4pages/index.html
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATATATTTWTATAAAATAWAWAAAAATAAAAWAWATAAWAAATTTATATAHAHTTATATA 663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATGCTACAGTTTCAAAAACAGGAATAACAAGTGATGAGACACTTGCTTTTGAAAATAATA 2149
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/organism="Plasmodium yoelii yoelii"
                                                        Location/Qualifiers
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                                                                                                                                                                                                                                                                                        20850,
                                                                                                                                                                     Research
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vaidya, A.B
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                                                                                                                                                                        Reference
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RESULT 7
BX415058
LOCUS
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ORGANISM
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                         JOURNAL
                                                          AUTHORS
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                                                                                                                                                                                                               BX415058
BX415058 Homo s
                                                                                                                             Homo sapiens
                                                                                                                                                                EST
                                                                                                                                                                                BX415058.1 GI:30767520
                                                                                                                                                                                                   BX415058
                     Unpublished
                                      Full-length cDNA libraries and normalization
                                                        1 (bases 1 to 1056)
Li,W.B., Gruber,C.,
                                                                                           Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                            Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                            AGAGCCTGTTGTTCCTACAGGAGTTGATCAAAA 2183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGTCAAAGAAACAGATTCTGAAGGCTATAAGGTTAAAGTTAATAGCCAAGAAGTAGCAAA 2090
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                                                                                                                                                                                                                                                                                                                                           TGACGAAGTAAAAACTGATGAAGTAAAAAAAAGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                            TGCTACAGTTTCAAAAACAGGAATAACAAGTGATGAGACACTTGCTTTTGAAAATAATAA 2150
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     Genoscope
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               primer and reverse transcriptase in the presence of 5-methyl dCTP. After second strand synthesis, uneven termini were treated with Pfu DNA polymerase and EcoRI adaptors ligated to the blunt ends. The sample was cleaved with XhoI and separated on a Sephacryl S-500 column. Size-fractionated cDNA was precipitated and ligated to HybriZAP arms directionally using EcoRI-XhoI cleaved arms. After packaging, the phagemid vector (pAD-GAL4) was excised from the HybriZAP vector and plasmid DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note-"Vector: pAD-GAL4; At 20-25% parasitemia, blood collected from BALB/cByJ mice infected with Py17XL parasites, and leukocytes removed by passage over microcrystalline cellulose collumns. Total RNA was
                                                                                                                                                                                                                                  Homo sapiens THYMUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          isolated using the guanidinium isothiocyanate method, and mRNA isolated using oligo(dT)-cellulose chromatography. First strand cDNA synthesis was completed using a 50-base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /lab_host="E. coli XL-1 Blue"
/clone_lib="PyBS"
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/clone="PYCPO70"
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                                                        Jessee, J. and Polayes, D.
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Homo sapiens cDNA clone
                                                                                           Craniata; Vertebrata; Catarrhini; Hominidae;
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BX448176 Homo sapiens FETAL LIVER Homo CSODMOO6YF18 3-PRIME, mRNA sequence.
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VERSION

COMMENT

sapiens

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Local Similarity
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Library was constructed by Life Technologies, a division of
Invitrogen. Contact: Feng Liang Email: : fliang@lifetech.com |
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSOCAP004AD10NP1.
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/CLONE="SOCAPOOLYGIG"
/CLONE_IDE="THYMUS"
/CLONE_IDE="HOMO Sapiens THYMUS"
/CLONE_IDE="Nector: pCMVSPORT_6; 1st strand cDNA was primed /note="Vector: pCMVSPORT_6; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."
Library was not normalized."
175 others
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/mol_type="mRNA"
/db_xref="taxon:9606"
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Best Local Sin
Matches 222;
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Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
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Location/Qualifiers

1. 1160
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Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belong to sequence cluster 1232.f
more information about this cluster, see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cgi-bin/cluster.cgi?seq=CSOAM006DC09NP1&cluster=1232.f. Contact
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo
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BX448176.1 GI:31023901
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AAAGAAACAGATTCTGAAGGCTATAAGGTTAAAGTTAATAGCCAAGAAGTAGCAAATGCT 2094
                                             WACAWAAAAAWMCGGAAAAAWAAAAMGAAWAAAWACCAAAAAAATAAAATATAWAGCA 426
                                                                                        TTAAAACATGGGGAAAGTTTAACACTTCAAGGTTTACCAGAAGGTTATTCTTACCTTGTC 2034
                                                                                                                                       AAAAATAAAAAAAAAWATAAAAAAAAATCARRTAAMAGAAWTAATAAAMWAAAGAAAAAA 486
                                                                                                                                                                                  CAAACTGTTAAAACAGATAAAACAAACCTCGAATTTAAAGATGGTAAAGCAACCATTAAT 1974
                                                                                                                                                                                                                               AGAACTAAAGATTTCCATTTTGAAATTGAATTAAAAAATAATAAGCAAGAATTGCTTTCT 1914
                                                                                                                                                                                                                                                                                                                       TRCACTCATCAAAGAGAACATAGAAAATGTTGAWCATCTRTCAGCAGTTWYGCATGTGAC
                                                                                                                                                                                                                                                                                                                                                                  GTTATACCTGTAACTCATAATTTAACATTGAGAAAAACGGTGACTGGTTTAGCTGGTGAC 1854
                                                                                                                                                                                                                                                                                                                                                                                                                                                             GGAACTCAGTGGCATCCAGAAGATTTAGTTGATATTATTCGTATGGAAGATAAAAAAAGAA 1794
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note="Organ: liver; Vector: pCMVSPORT_6; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library was not normalized."

127 c 167 g 437 t 180 others
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/clone="CS0DM006YF18"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /tissue_type="FETAL LIVER"
/dev_stage="fetal"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/mol_type="mRNA"
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Eutheria; Primates;
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Pred. No. 0.
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SOURCE
ORGANISM
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BM166601
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Query Match
Best Local Similarity
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Plasmodium yoelii yoelii
Plasmodium yoelii Alvoolata; Apicomplexa; Haemosporida; Plasmodium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BM166601 395 bp mRNA linear EST 04-DEC-2001 EST569124 PyBS Plasmodium yoelii yoelii cDNA clone PYCNU37 5' end,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          For clone info, please contact the Malaria Research Reagent Resource Center, ATCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: carlton@tigr.org
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Parasite Genomics Group
The Institute for Genomic Research
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Contact:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Plasmodium yoelii EST project at TIGR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Carlton,J.M., Daly,T.M., Long,C.A., Bergman,L.W.,
Fraser,C.M. and Carucci,D.J.
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                                                                                      232
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301-530-9319
301-838-0208
                                                                                   isolated."
19 c
                                                                                                                          Size-fractionated cDNA was precipitated and ligated thybriZAP arms directionally using EcoRI-Xhor cleaved After packaging, the phagemid vector (PAD-GAL4) was excised from the HybriZAP vector and plasmid DNA
                                                                                                                                                                                                                                  mRNA isolated using oligo(dT) cellulose chromatography. First strand cDNA synthesis was completed using a 50-base primer and reverse transcriptase in the presence of 5-methyl dCTP. After second strand synthesis, uneven termini were treated with Pfu DNA polymerase and EcoRI adaptors ligated to the blunt ends. The sample was cleaved adaptors ligated to the blunt ends.
                                                                                                                                                                                                                                                                                                                                                                 collected from BALB/CByJ mice infected with Py17XL parasites, and leukocytes removed by passage over microcrystalline cellulose collumns. Total RNA was isolated using the guanidinium isothiocyanate method,
                                                                                                                                                                                                                   with XhoI and separated on a Sephacryl S-500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /dev_stage="Asexual blood stages"
/lab_host="E. coli XL-1 Blue"
/clone_lib="PyBS"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /mol_type="mRNA"
/strain="17XL"
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/clone="PYCNU37"
                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note="Vector:
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2.8%;
Score 63.2; DB Pred. No. 0.34;
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Matches 152;

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Best Local S
Matches 155
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                                                                                                                                                                                                                                                                                                                                                                                      cgi-bin/cluster.cgi?seq-CSODJ014AB05QP1&cluster=7756.r. Conta
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSODJ014AB05QP1.
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BX341256
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               964 bp mRNA linear EST 01-MAY-2003 BX341256 Homo sapiens T CELLS (JURKAT CELL LINE) COT 10-NORMALIZED Homo sapiens cDNA clone CS0DJ014YC09 5-PRIME, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                         Faraday Avenue Genoscope sequence Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belong to sequence cluster 7756.r
more information about this cluster, see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unpublished
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mammaila; Eutheria; Primates; (1 (bases 1 to 964)
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                                                                                Similarity
                               AAGAAGTTATACCTGTAACTCATAATTTAACATTGAGAAAAACGGTGACTGGTTTAGCTG
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                                                                 Conservative
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                                                                                                                                          /note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR v sites of the pCMVSPORT 6 vector. Library was normalized." a 88 c 135 g 240 t 104 others
                                                                                                                                                                                                                                                            /clone="CSODJ014YC09"
/cell_type="T CELLS (JURKAT CELL LINE) COT 10-NORMALIZED'
/cell_line="JURKAT"
                                                                                                                                                                                                                                                                                                           /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                10-NORMALIZED"
                                                                                                                                                                                                                                           clone_lib="Homo sapiens T CELLS (JURKAT CELL LINE)
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                                                                            2.88;
                                                               Score 63.2; DB 13; Pred. No. 0.35; 6; Mismatches 183;
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BX439779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Email: segref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 3370.r For
more information about this cluster, see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Genoscope
Genoscope · Centre National de Sequencage
BP 191 91006 EVRY cedex · France
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cgi-bin/cluster.cgi?seq=CSODE014CC03NP1&cluster=3370.r. Contact
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Li, W.B., Gruber, C., Jessee, J. and Polayes, D. Full-length cDNA libraries and normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Faraday Avenue Genoscope sequence
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  http://www.genoscope.cns.fr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens (human)
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                                                                                                          Library
a 150
                                                                                                                                                /tissue_type="PLACENTA"
/clone_lib="Homo sapiens PLACENTA"
/clone_lib="Homo sapiens PLACENTA"
/note="Vector: pCMVSPORT_6; 1st strand cDNA was primed
/inth a NotI-oligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned i
the Not I and EcoRV sites of the pCMVSPORT 6 vector.
                                                                                                                                                                                                                                                                                                                                             /mol_type="mRNA"
/db_xref="taxon:9606"
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  2.7%;
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Score 62.2; DB 13; Pred. No. 0.52;
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                                                                                                              BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. Contact : Feng Liang Email : fliang@lifetech.com URL
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSODI007DA04QP1.
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                                                                                                                                                                                                                                                        Full-length cDNA libraries Unpublished
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1 (bases 1 to 1098)
Li,W.B., Gruber,C., Jessee,J.
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25-NORMALIZED"
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BX415231
3-PRIME,
                            Feng Liang Email : fliang@lifetech.com URL :
                                             http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSOCAP005AF01NPl&cluster=5744.r. Contact
                                                                            Email: segref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 5744.r For
more information about this cluster, see
                                                                                                                                            Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
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                                                                                                                                                                                          Full-length cDNA libraries 
Unpublished
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               http://fulllength.invitrogen.com/
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                                                                                                                                                                                                                (aryota; ...., mmalia; Eutheria; Primacu., (bases 1 to 1044)

Comber, C., Jessee, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATAAAATAAAAAAWTTAWAAAANTTATTWTATAWTAAAAWTWTWAATAWTAAWATATAA 704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GGAAGATAAAAAAGAAGTTATACCTGTAACTCATAATTTAACATTGAGAAAAACGGTGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TWWATATATTATATAATAWAWAWAWATWTATATAATTTTTATWWWTAWAANATWAWATA 1004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TCAAGATAGTAATCCTCCACAGCTAACTGACCTTGATTTCTTTATTCCGAATAACAATAA 1718
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TTATTCTTACCTTGTCAAAGAAACAGATTCTGAAGGCTATAAGGTTAAAGTTAATAGCCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TGGTTTAGCTGGTGACAGAACTAAAGATTTCCATTTTGAAATTGAATTAAAAAAATAATAA 1898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATATCAATCTCTTATTGGAACTCAGTGGCATCCAGAAGATTTAGTTGATATTATTCGTAT 1778
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                                                                                                                                                                                                                                                                                                                                                                      mRNA
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/note="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, with a NotI-oligo(dT)
digested with Not I and cloned into the Not I and EcoR v
sites of the pCMVSPORT 6 vector. Library was normalized."
a 93 c 104 g 368 t 97 others
                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                        GI:30637159
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                                                                                                                                                                                                                                                                                                                                                                                       Homo
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InVitroGen Corporation ID : CSOCAP005AF01NP1.
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                                                                                                                                                                                                                                                          Hominidae;
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KEYWORDS
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                                                                                                                TITLE
JOURNAL
                                                                                                                                                           AUTHORS
                                                                                                                                                                                                      ORGANISM
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Best Local Similarity
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                                                                    Parasite Genomics Group
The Institute for Genomic Research
                                                                                                                                                                       Plasmodium yoelii yoelii
Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium
1 (bases 1 to 506)
                                            9712 Medical Center Drive, Tel: 301-530-9319
                                                                                                                                           Carlton, J.M., Daly, T.M., Long, C.A., Bergman, L.W., Fraser C.M. and Carucci, D.J.
                                                                                                                                                                                                                                 EST
                                                                                                                                                                                                                                                                                     EST572535 PyBS Plasmodium
                                                                                                                                                                                                                                                                                                      BM170012
                                                                                                    Contact: Jane Carlton
                                                                                                                Unpublished
                                                                                                                             Plasmodium yoelii EST project at TIGR
                                                                                                                                                                                                                Plasmodium yoelii yoelii
                                                                                                                                                                                                                                              BM170012.1 GI:17303244
                                                                                                                                                                                                                                                                         mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                    AATAACAAGTGATGAGACACTTGCTTTTGAAAATAATAAAGA 2153
                                                                                                                                                                                                                                                                                                                                                                                                                                AAADKKAAKKAAAKDAAKAAAADKAAAAAAAAAAAAARDAAAAAAKTAKAAAAAKAAK
                                                                                                                                                                                                                                                                                                                                                                                                                                                            AGGCTATAAAGGTTAAAGTTAATAGCCAAGAAGTAGCAAATGCTACAGTTTCAAAAACAGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      clone info, please contact the Malaria
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                               301-838-0208
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                : carlton@tigr.org
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /tissue_type="THYMUS"
/clone_lib="Homo saplens THYMUS"
/clone_lib="Homo saplens THYMUS"
/note="Vector: pCMVSPORT_6; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned cloned in the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library was not normalized."

a 130 c 89 g 513 t 189 others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0CAP005YK01"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
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35.3%;
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Pred. No. 0.
                                                                                                                                                                                                                                                                                     506 bp mRNA linear EST 04-DEC-2001
n yoelii yoelii cDNA clone PYCPZ90 5'. end,
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                                                         Rockville,
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                                                         20850,
    Research and Reference
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                                                         USA
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BM169947
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ORIGIN
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                                                                        ACCESSION
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              ORGANISM
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                                                                                    EST572470 PyBS mRNA sequence.
                Plasmodium
Plasmodium
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 Eukaryota;
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/strain="17XL"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /db_xref="taxon:73239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Plasmodium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
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yoelii yoelii
yoelii yoelii
Alveolata; Apicomplexa; Haemosporida; Plasmodium.
                                                         GI:17303179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2.7%;
                                                                                                 Plasmodium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0,
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yoelii
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1851 TGACAGAACTAAAGATTTCCATTTTGAAATTAAAAAAATAATAAGCAAGAATTGCT
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                                                                                                                                                                                                                                                                                              TGCTACAGTTTCAAAAACAGGAATAACAAGTGATGAGACACTTGCTTTTGAAAATAATAA 2150
                                                                                                                                                                                                                                                                                                                                                                                                              TGTCAAAGAAACAGATTCTGAAGGCTATAAGGTTAAAGTTAATAGCCAAGAAGTAGCAAA 2090
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                After packaging, the phagemid vector (pAD-GAL4) vectors and plasmid DNA isolated." 19 c 102 g 71 t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      isolated using the guanidinium isothiocyanate method, mRNA isolated using oligo(dT)-cellulose chromatography First strand cDNA synthesis was completed using a 50-b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note="Vector: pAD-GAL4; At 20-25% parasitemia, blocollected from BALB/cByJ mice infected with Py17XL parasites, and leukocytes removed by passage over microcrystalline cellulose collumns. Total RNA was
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 primer and reverse transcriptase in the presence of
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/lab host="E. coli XL-1 Blue"
   yoelii cDNA clone
                              mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       151;
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EST 04-DEC-2001
PYCPZ02 5' end,
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BASE COUNT
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AUTHORS
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JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 2.7%;
Best Local Similarity 49.8%;
Matches 155; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           source
                                                                                                                                                                                                                                                                                                                                                                                                                                                  1903 GAATTGCTTTCTCAAACTGTTAAAACAGATAAAACAAACCTCGAATTTAAAGATGGTAAA 1962
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1843 TTAGCTGGTGACAGAACTAAAGATTTCCATTTTGAAATTAAAAATAATAAGCAA 1902
                                                   2143 AATAATAAAGA 2153
                                                                                                                                   2083 GTAGCAAATGCTACAGTTTCAAAAACAGGAATAACAAGTGATGAGACACTTGCTTTTGAA 2142
                                                                                                                                                                                                                                                        2023 TCTTACCTTGTCAAAGAAACAGATTCTGAAGGCTATAAGGTTAAAGTTAATAGCCAAGAA 2082
                                                                                                                                                                                                                                                                                                                                                                1963 GCAACCATTAATTTAAAACATGGGGAAAGTTTAACACTTCAAGGTTTACCAGAAGGTTAT 2022
301
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                                                                                                                                                                                                                                                                                                                                                                                                                    Parasite Genomics Group
The Institute for Genomic Research
9712 Medical Center Drive, Rockville, MD 20850, USA
Tel: 301-530-9319
Fax: 301-638-0208
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Contact: Jane Carlton
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 770)
Carlton, J.M., Daly, T.M., Long, C.A., Bergman, L.W., Vaidya, A.B., Fraser, C.M. and Carucci, D.J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: carlton@tigr.org
For clone info, please contact the Malaria Research and Reference
Reagent Resource Center, ATCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Seq primer: ADF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     http://www.malaria.mr4.org/mr4pages/index.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Plasmodium yoelii EST project at TIGR
GTAAAAACTGA 311
                                                                                                                                                                                                       GTAAAAAATGATGAAGTAAAAAATGACGAAGTAAAAACTGATGAAGTAAAAAATGACGAA 240
                                                                                                                                                                                                                                                                                                               GTAAAAACTGATGAAGTAAAAAATGATGAAGTAAAAAAAGACGAAGTAAAAAATGATGAA 180
                                                                                                  GTAAAAACTGATGAAGTAAAAAAAGACGAAGTAAAAACTGATGAAGTAAAAACTGATGAA 300
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// Adev_stage="A.sexuual blood was folione_lib="TyBS"
// Adev_stage="A.sexuual blood infected with Py17XL parasites, and leukocytes removed by passage over microcrystaline cellulose collumns. Total RNA was isolated using the guanidinium isothiocyanate method, and mRNA isolated using the guanidinium isothiocyanate method, and mRNA isolated cDNA synthesis was completed using a 50-base primer and reverse transcriptase in the presence of 5-methyl dCTP. After second strand synthesis, uneven termini were treated with Pfu DNA polymerase and EcoRI adaptors ligated to the blunt ends. The sample was cleaved with XhoI and separated on a Sephacryl $5-500 column. Size-fractionated cDNA was precipitated and ligated to HybriZAP arms directionally using EcoRI-XhoI cleaved arms. After packaging, the phagemid vector (pAD-GAL4) was excised from the HybriZAP vector and plasmid DNA isolated."

179 a 64 c 131 g 196 t
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/mol_type="mRNA"
/strain="17XL"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 61.4; DB 12; Length 770; Pred. No. 0.72; 0; Mismatches 156; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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Search completed: August 19, 2003, 13:15:48 Job time : 4320 secs